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OM protein - protein search, using sw model

Run on: June 18, 2003, 15:26:51 ; Search time 12.6234 Seconds
(without alignments)
775.530 Million cell updates/sec

Title: US-09-807-933B-1
Perfect score: 1836
Sequence: 1 MKFITIASALLALALGTEM.....TYKEVTCPEITAKTGCGRK 338

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTCUTS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	761.5	41.5	306	4	US-09-189-060B-68 Sequence 68, Appl
2	756.5	41.2	299	2	US-08-872-437-2 Sequence 2, Appl
3	756.5	41.2	299	4	US-08-651-136C-12 Sequence 12, Appl
4	756.5	41.2	299	4	US-09-229-911A-12 Sequence 12, Appl
5	755.5	41.1	225	3	US-08-651-136C-2 Sequence 2, Appl
6	755.5	41.1	225	4	US-09-229-911A-2 Sequence 2, Appl
7	755.5	41.1	297	3	US-08-651-136C-4 Sequence 4, Appl
8	755.5	41.1	297	4	US-09-229-911A-4 Sequence 4, Appl
9	755.5	41.1	308	4	US-08-651-136C-6 Sequence 6, Appl
10	755.5	41.1	308	4	US-09-229-911A-6 Sequence 6, Appl
11	722	39.3	349	3	US-08-651-136C-10 Sequence 10, Appl
12	722	39.3	349	4	US-09-229-911A-10 Sequence 10, Appl
13	718	39.1	310	4	US-08-651-136C-22 Sequence 22, Appl
14	718	39.1	310	4	US-09-229-911A-22 Sequence 22, Appl
15	716.5	39.0	222	3	US-08-651-136C-14 Sequence 14, Appl
16	716.5	39.0	222	4	US-09-229-911A-14 Sequence 14, Appl
17	716.5	39.0	294	4	US-08-651-136C-24 Sequence 24, Appl
18	716.5	39.0	294	4	US-09-229-911A-24 Sequence 24, Appl
19	711.5	38.8	306	4	US-09-189-060B-66 Sequence 66, Appl
20	709.5	38.6	304	4	US-09-189-060B-72 Sequence 72, Appl
21	701	38.2	307	4	US-09-189-060B-74 Sequence 74, Appl
22	695.5	37.9	235	4	US-09-329-350-31 Sequence 31, Appl
23	694	37.8	376	1	US-08-090-013-4 Sequence 4, Appl
24	694	37.8	376	1	US-08-081-328-4 Sequence 4, Appl
25	694	37.8	376	1	US-08-332-249-4 Sequence 4, Appl
26	694	37.8	376	2	US-08-833-642A-4 Sequence 4, Appl
27	694	37.8	376	2	US-08-389-423-4 Sequence 4, Appl

28	694	37.8	376	4	US-09-230-665-4 Sequence 4, Appl
29	694	37.8	376	4	US-09-189-028-4 Sequence 4, Appl
30	692.5	37.7	308	4	US-09-189-060B-70 Sequence 70, Appl
31	689	37.5	286	4	US-09-254-733-3 Sequence 3, Appl
32	688.5	37.5	357	1	US-08-411-777-9 Sequence 9, Appl
33	688.5	37.5	357	3	US-09-057-088-9 Sequence 9, Appl
34	687	37.4	285	4	US-09-230-225B-6 Sequence 6, Appl
35	687	37.4	305	4	US-09-230-222-1 Sequence 1, Appl
36	680	37.0	234	4	US-09-230-665-6 Sequence 6, Appl
37	680	37.0	305	1	US-08-090-013-2 Sequence 2, Appl
38	680	37.0	305	1	US-08-081-328-2 Sequence 2, Appl
39	680	37.0	305	1	US-08-232-249-2 Sequence 2, Appl
40	680	37.0	305	2	US-08-921-426-8 Sequence 8, Appl
41	680	37.0	305	2	US-08-833-642A-2 Sequence 2, Appl
42	680	37.0	305	2	US-08-140-008A-4 Sequence 4, Appl
43	680	37.0	305	2	US-08-836-340-1 Sequence 1, Appl
44	680	37.0	305	2	US-08-389-423-2 Sequence 2, Appl
45	680	37.0	305	3	US-08-816-915-8 Sequence 8, Appl

ALIGNMENTS

```
RESULT 1
US-09-189-060B-68
; Sequence 68, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
; APPLICANT: Dalboge, Henrik
; APPLICANT: Sandal, Thomas
; APPLICANT: Kauppinen, Markus
; APPLICANT: Borge, Diderichsen
; TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189, 060B
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Hybrid
US-09-189-060B-68

Query Match      41.5% Score 761.5; DB 4; Length 306;
Best Local Similarity 63.9%; Pred. No. 3.1e-53;
Matches 133; Conservative 29; Mismatches 39; Indels 7; Gaps 3;

QY 130 SGNVTYTYWCCCKRASCWPGKAVSPPVSKCNDGVTALDSDNAGCNGNSYMCNDN 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 23 AADGSTYWCCKRSCSWGDKASVAPVLTCDKND-NPISDANAVSCNGSTYTCSNN 81
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 QPMVANDMAYFAFAAAISGGESESRWCCSPFELFTFTSVAGKKWVVTNGDLAGSST 249
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 82 SPMAVNDMLAIGFAATKLSGGSSESSMCACATLTFTTPVAKTMVVSINTGDLGEN- 140
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 250 GAHFDLWPGGCGVGFNCCSSQMGAPNDGWSRYGGISSADCSLPSALQAGCKWRFNW 309
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 141 --HFDLWPGGCGVGFNCCSSQMGGLG--GAQYGGISSRSDCSFPELLKDGCTWRYDW 195
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 310 FKNADNPSMTYKEVTCPEITAKTGCGR 337
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 196 FKNADNPSFSFRQVCPALVARTGCR 223
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 2
US-08-872-437-2
; Sequence 2, Application US/08872437
; Patent No. 5958082
; GENERAL INFORMATION:
; APPLICANT: Lund, Henrik
```


US-09-229-911A-2

Query Match 41.1%; Score 755.5; DB 4; Length 225;
Best Local Similarity 61.2%; Pred. No. 6.3e-53;
Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;

QY 130 SGNVTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79
DB 21 SGIGQTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79
QY 189 NOPAVNDNLAYGFAAAIISGSESRWCSCFELFTFTSTSVAGKRVVQVNTGDLGSS 248
DB 80 QSPVAVDELSTYGMAAYKLAGSSSESCWCACYELFTFTSGVAGKRMIVQATNTGDLGDN 139
QY 249 TGAHFDLQMPGGVGINCGSSQMGAPNDGWSRYYGSISSADCSLPSALQAGCKMRN 308
DB 140 ---HFDLAPGGVGINACTDYGAPNMGDRYGGIHSKECESFPFALKPCNWRPD 196
QY 309 WFKXNDPMTYKEVTPCKETITAKTGCSR 337
DB 197 WFOVADNPSVTFQVACPSELTSKSGCSR 225

RESULT 7
US-08-651-136C-4
Sequence 4, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Rudy I.
APPLICANT: Ihara, Michiko
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. 6001639e No. 6001639e1 Endoglucanases, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 297 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-4

Query Match 41.1%; Score 755.5; DB 3; Length 297;
Best Local Similarity 61.2%; Pred. No. 8.9e-53;
Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;

QY 130 SGNVTRRYWDCKKSCAMPKAVSSPVKSCNDGVATLSDSNAGCN-GGNSYMCND 188
DB 21 SGIGQTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79

DB 21 SGIGQTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79
QY 189 NOPAVNDNLAYGFAAAIISGSESRWCSCFELFTFTSTSVAGKRVVQVNTGDLGSS 248
DB 80 QSPVAVDELSTYGMAAYKLAGSSSESCWCACYELFTFTSGVAGKRMIVQATNTGDLGDN 139
QY 249 TGAHFDLQMPGGVGINCGSSQMGAPNDGWSRYYGSISSADCSLPSALQAGCKMRN 308
DB 140 ---HFDLAPGGVGINACTDYGAPNMGDRYGGIHSKECESFPFALKPCNWRPD 196
QY 309 WFKXNDPMTYKEVTPCKETITAKTGCSR 337
DB 197 WFOVADNPSVTFQVACPSELTSKSGCSR 225

RESULT 8
US-09-229-911A-4
Sequence 4, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Rudy I.
APPLICANT: Ihara, Michiko
TITLE OF INVENTION: No. 6387690e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. 6387690e No. 6387690e1 Endoglucanases, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 297 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-229-911A-4

Query Match 41.1%; Score 755.5; DB 4; Length 297;
Best Local Similarity 61.2%; Pred. No. 8.9e-53;
Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;

QY 130 SGNVTRRYWDCKKSCAMPKAVSSPVKSCNDGVATLSDSNAGCN-GGNSYMCND 188
DB 21 SGIGQTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79

QY 189 NOPWAVNDNLAYGFAAAAIISGGESRWCSCPELFTFTSTVAGIKMVOVNTTGGDLGSS 248
DB 80 QSPWAVSDLSISGMAAVKLAGESSQWCCACVLTFTSGPVAGKMIYQATNTGGDLGN 139
QY 249 TGAHFDLQMPGGGVGIFNCCSSQWGAIPNDGWSRYYGIISSASDSSLPSALQAGCKMRPN 308
DB 140 ---HFDLAIPEGGVGIFNACTDQYGAPPNMGDRYGIHSKECESFPALKPGCNMRPD 196
QY 309 WFNADNPSTMYKEYTCPEKITAKTGCSSR 337
DB 197 WFNADNPSTMYKEYTCPEKITAKTGCSSR 225

RESULT 9

US-08-651-136C-6
Sequence 6, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639ch America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 308 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-6

Query Match 41.1%; Score 755.5; DB 3; length 308;
Best Local Similarity 61.2%; Pred. No. 9.3e-53;
Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;
QY 130 SGNVYTRTYWDCCKKSCSPKGVKAVNSPVKSKCKKDGVTALSDSNMOSGCH-GGNSYMCND 188
DB 21 SGIGQTRTYWDCCKKSCSPKGVKAVNSPVKSKCKKDGVTALSDSNMOSGCH-GGNSYMCND 79
QY 189 NOPWAVNDNLAYGFAAAAIISGGESRWCSCPELFTFTSTVAGIKMVOVNTTGGDLGSS 248
DB 80 QSPWAVSDLSISGMAAVKLAGESSQWCCACVLTFTSGPVAGKMIYQATNTGGDLGN 139
QY 249 TGAHFDLQMPGGGVGIFNCCSSQWGAIPNDGWSRYYGIISSASDSSLPSALQAGCKMRPN 308
DB 140 ---HFDLAIPEGGVGIFNACTDQYGAPPNMGDRYGIHSKECESFPALKPGCNMRPD 196

DB 140 ---HFDLAIPEGGVGIFNACTDQYGAPPNMGDRYGIHSKECESFPALKPGCNMRPD 196
QY 309 WFNADNPSTMYKEYTCPEKITAKTGCSSR 337
DB 197 WFNADNPSTMYKEYTCPEKITAKTGCSSR 225

RESULT 10

US-09-229-911A-6
Sequence 6, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6387690el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 63876900 No. 6387690disk of No. 6387690ch America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 308 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-229-911A-6

Query Match 41.1%; Score 755.5; DB 4; length 308;
Best Local Similarity 61.2%; Pred. No. 9.3e-53;
Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;
QY 130 SGNVYTRTYWDCCKKSCSPKGVKAVNSPVKSKCKKDGVTALSDSNMOSGCH-GGNSYMCND 188
DB 21 SGIGQTRTYWDCCKKSCSPKGVKAVNSPVKSKCKKDGVTALSDSNMOSGCH-GGNSYMCND 79
QY 189 NOPWAVNDNLAYGFAAAAIISGGESRWCSCPELFTFTSTVAGIKMVOVNTTGGDLGSS 248
DB 80 QSPWAVSDLSISGMAAVKLAGESSQWCCACVLTFTSGPVAGKMIYQATNTGGDLGN 139
QY 249 TGAHFDLQMPGGGVGIFNCCSSQWGAIPNDGWSRYYGIISSASDSSLPSALQAGCKMRPN 308
DB 140 ---HFDLAIPEGGVGIFNACTDQYGAPPNMGDRYGIHSKECESFPALKPGCNMRPD 196

QY 309 WFKNADNPSMTYKVTCPKAITAKTGCGR 337
 Db 197 WFOADNDPSYTFQEVACPSBLTSKSGCSR 225

RESULT 11

US-08-651-136C-10
 ; Sequence 10, Application US/08651136C
 ; Patent No. 6001639
 ; GENERAL INFORMATION:
 ; APPLICANT: Schuelein, Martin
 ; APPLICANT: Andersen, Lene N.
 ; APPLICANT: Lassen, Soren F.
 ; APPLICANT: Kauppinen, Markus S.
 ; APPLICANT: Lange, Lene
 ; APPLICANT: Nielsen, Ruby I.
 ; APPLICANT: Ihara, Michiko
 ; APPLICANT: Takagi, Shinobu
 ; TITLE OF INVENTION: No. 6001639el Endoglucanases
 ; NUMBER OF SEQUENCES: 109
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639th America, Inc.
 ; STREET: 405 Lexington Avenue, 64th Floor
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: United States of America
 ; ZIP: 10174-6401
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/651,136C
 ; FILING DATE: 21-May-1996
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lambiris, Elias J.
 ; REGISTRATION NUMBER: 33,728
 ; REFERENCE/DOCKET NUMBER: 4366.200-US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 212-867-0123
 ; TELEFAX: 212-878-9655
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 349 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-651-136C-10

Query Match 39.3%; Score 722; DB 3; Length 349;

Best Local Similarity 59.2%; Pred. No. 5e-50;

Matches 125; Conservative 36; Mismatches 40; Indels 10; Gaps 4;

QY 129 ASGNVTVTRYWDCCKASGMPGKANVSSPYKSCNKDGTALSDSNAQSGCNGNSYMCND 188
 Db 21 ASGKHTTRYWDCCKTSKAMEGKASVSEPLTNCNKD-NPIVDANARSCDDGGAGACTN 79
 QY 189 NOPAVNDNLAYGFAAALISGGESRWCCSCFELFTSTSVAGKMWVQVNTTGGDLGSS 248
 Db 80 NSPVAVSEDLAYGFAAALISGGESRWCCSCFELFTSTSVAGKMWVQVNTTGGDLGSS 139
 QY 249 TGAHFDLQMPGGGIGIFNGCSSQMG--APNDGWSRYGIGISSASDCSSLPALQAGCKMR 306
 Db 140 ---HFDLMTFGGIGIFDGCSSAQFGQLP-----GERYGVSSRSQCDGMPBELLKDCGQWR 192
 QY 307 FNFNKNADNPSMTYKVTCPKAITAKTGCGR 337
 Db 193 FDFWFKNSDNDPIEFQVQCPKELIAYSGCVR 223

RESULT 12

US-09-229-911A-10
 ; Sequence 10, Application US/09229911A
 ; Patent No. 6387690
 ; GENERAL INFORMATION:
 ; APPLICANT: Schuelein, Martin
 ; APPLICANT: Andersen, Lene N.
 ; APPLICANT: Lassen, Soren F.
 ; APPLICANT: Kauppinen, Markus S.
 ; APPLICANT: Lange, Lene
 ; APPLICANT: Nielsen, Ruby I.
 ; APPLICANT: Ihara, Michiko
 ; APPLICANT: Takagi, Shinobu
 ; TITLE OF INVENTION: No. 6387690el Endoglucanases
 ; NUMBER OF SEQUENCES: 109
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: No. 63876900 No. 6387690disk of No. 6387690th America, Inc.
 ; STREET: 405 Lexington Avenue, 64th Floor
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: United States of America
 ; ZIP: 10174-6401
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/229,911A
 ; FILING DATE: 13-Jan-1999
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/651,136
 ; FILING DATE: 21-May-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lambiris, Elias J.
 ; REGISTRATION NUMBER: 33,728
 ; REFERENCE/DOCKET NUMBER: 4366.200-US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 212-867-0123
 ; TELEFAX: 212-878-9655
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 349 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
 ; US-09-229-911A-10

Query Match 39.3%; Score 722; DB 4; Length 349;

Best Local Similarity 59.2%; Pred. No. 5e-50;

Matches 125; Conservative 36; Mismatches 40; Indels 10; Gaps 4;

QY 129 ASGNVTVTRYWDCCKASGMPGKANVSSPYKSCNKDGTALSDSNAQSGCNGNSYMCND 188
 Db 21 ASGKHTTRYWDCCKTSKAMEGKASVSEPLTNCNKD-NPIVDANARSCDDGGAGACTN 79
 QY 189 NOPAVNDNLAYGFAAALISGGESRWCCSCFELFTSTSVAGKMWVQVNTTGGDLGSS 248
 Db 80 NSPVAVSEDLAYGFAAALISGGESRWCCSCFELFTSTSVAGKMWVQVNTTGGDLGSS 139
 QY 249 TGAHFDLQMPGGGIGIFNGCSSQMG--APNDGWSRYGIGISSASDCSSLPALQAGCKMR 306
 Db 140 ---HFDLMTFGGIGIFDGCSSAQFGQLP-----GERYGVSSRSQCDGMPBELLKDCGQWR 192
 QY 307 FNFNKNADNPSMTYKVTCPKAITAKTGCGR 337
 Db 193 FDFWFKNSDNDPIEFQVQCPKELIAYSGCVR 223

RESULT 13

US-08-651-136C-22
 ; Sequence 22, Application US/08651136C

